



# 2014 PJM Summer Preparedness

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## PJM Load and Capacity Comparison: 2014 vs. 2013

### 2013 (with EKPC)

Forecast Load (MW) Total	Demand Response (DR) and Energy Efficiency (EE) (MW)	Forecast Load Less DR and EE (MW)	Installed Generation Capacity (MW)	Reserve Margin (MW)	Reserve Margin	Required Reserve Margin
155,553	11,175 (est.)	144,378	186,884	42,506	29.4%	15.9%

<sup>1</sup>Includes 651MW of Energy Efficiency

### 2014

Forecast Load (MW) Total	Demand Response (DR) and Energy Efficiency (EE) (MW)	Forecast Load Less DR and EE (MW)	Installed Generation Capacity (MW)	Reserve Margin (MW)	Reserve Margin	Required Reserve Margin
157,279	11,160 <sup>1</sup> (est.)	146,119	183,220	37,101	25.4%	16.2%

2013 Actual Peak Load: 157,141 MW on 7/18/13 at HE 17)

<sup>1</sup>Includes 522 MW of Energy Efficiency



## Glossary for Load and Capacity Summary Slide

### **Forecast Load**

Expected peak demand, based on normal weather

### **Installed Generation Capacity**

Total MW output of all of the generators that cleared in RPM and are committed to serve PJM load (Installed Capacity)

### **Demand Response**

Contractually interruptible load and other customer load willing to be interrupted at the direction of PJM. Compliance check is performed at end of summer.

### **Reserve (MW) –**

Installed Generation Capacity minus Net Internal Demand

### **Forecast Load Less Load Management**

Expected peak demand after demand response has been implemented (Net Internal Demand-NID)

### **Required Reserve Margin**

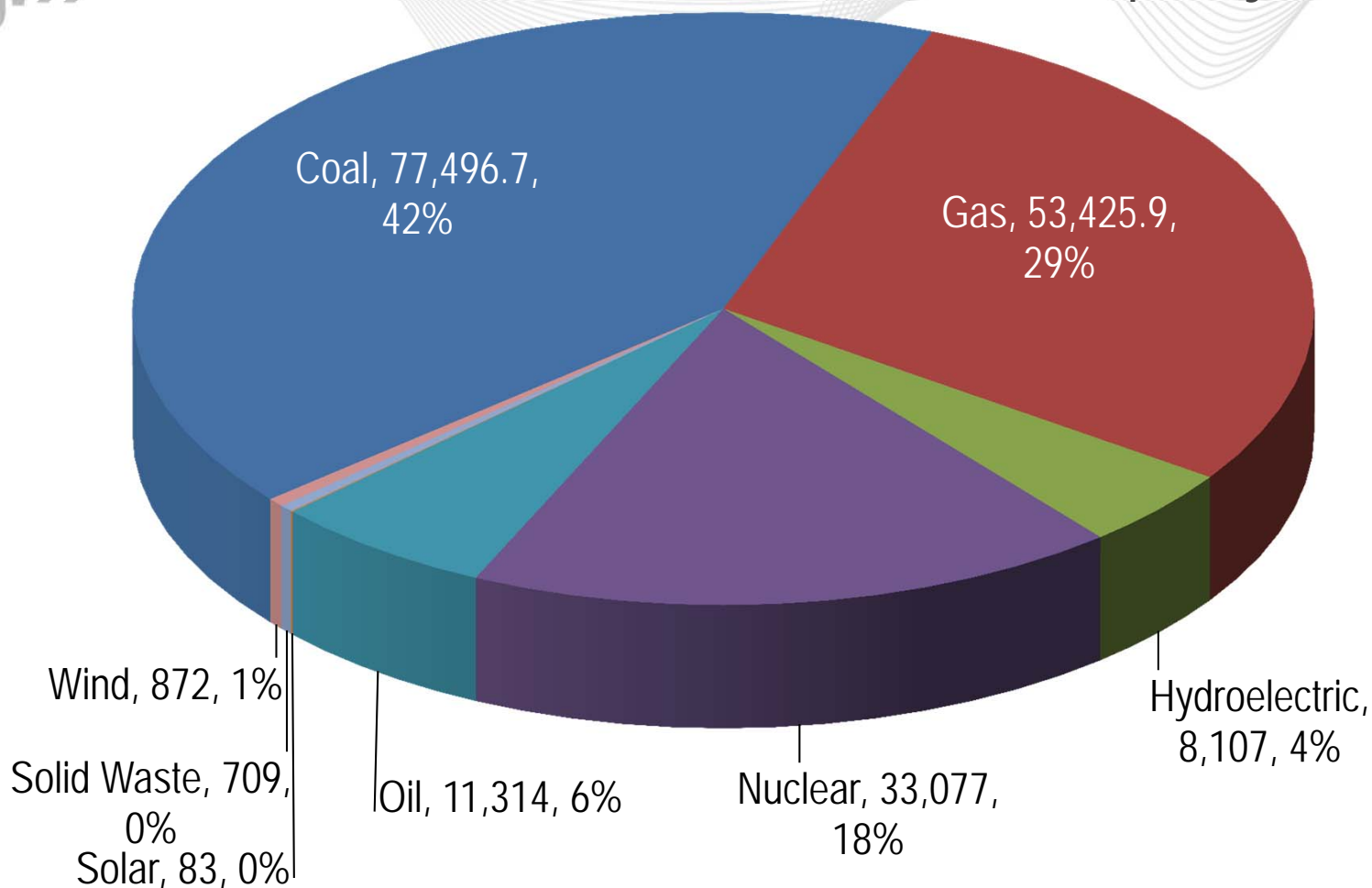
PJM required planning reserve, as determined by the RPM process (Installed Reserve Margin-IRM) -

### **Reserve Margin**

Reserve expressed as a percent of Net Internal Demand

- Aggressive transmission and generation maintenance to prepare for May 2015 EPA retirement deadlines
- Ongoing system maintenance and upgrades
- Demand Response Impacts
- Load Forecasting Improvements
- Coordination and Communication
- Generation Availability
- Annual DR & operational flexibility
- Review and update emergency procedures and tools
- Gas / Electric Coordination

# Installed Capacity in PJM



Wind Dependable Capacity = 872 MW/13%  
 Solar Dependable Capacity = 83 MW/38%

As of 09/30/2013